

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A task management device provided with [[an]] a multitask operating system for executing in parallel a plurality of tasks, each task comprising functions and managed as one execution unit as one execution unit a first task including application functions and a second task to abort the first task by program execution means, comprising:

task state setting means for setting that the first task now exists in an abort disabled section when a function currently executed in the first task issues an abort disable instruction;
task attribute information storage means for storing attribute information indicating that a function currently executed in the first task, whenever the function is changed, is the system library function or the application function predetermined by the operating system;
the program execution means for transmitting information on an attribute of a current executing function indicating that the current executing function is a system library function having been provided by the operating system or other functions, and for querying whether or not to execute an abortion of the task to which the current executing function belongs;

task execution determination means, in response to the query from the program execution means, for determining not to abort the current executing function when the attribute of the current executing function is the system library function, or for determining to abort the current executing task when the attribute of the current executing function is the other function; and for determining whether or not the first task exists in the abortion disabled section when the first task received an abort instruction to the first task issued from the second task;

task attribute recognition means for storing the attribute of the current executing function in the task attribute information storage means, based on the information on the attribute of the current executing function transmitted from the program execution means, and for returning the

~~attribute of the current executing function stored in the task attribute information storage means, in response to a the query about the attribute of the current executing function from the task execution determination means~~

current function execution determination means for determining, based on the task attribute information storage means, the attribute information of the function currently executed in the first task, when it is determined that the state of the first task exists in the abort disabled section; and

the program execution means for aborting the first task when the attribute information of the first task is the application function, and continuing the first task when the attribute information of the first task is the system function.

2. (Currently Amended) The task management device according to claim 1, wherein
~~said information on task attribute recognition means the attribute of the current executing function is a name of the function, and~~

said task attribute recognition means comprising the current function execution determination means determines the attribute of the current-executing function based on [[the]] a name of the current-executing function.

3. (Previously Presented) The task management device according to claim 1, wherein said task managed as one execution unit is a process.

4. (Previously Presented) The task management device according to claim 1, wherein said task managed as one execution unit is a thread.

5. (Currently Amended) A task management method for use in [[an]] a multitask operating system for executing ~~in parallel a plurality of tasks, each task constituted of functions and managed as one execution unit as one execution unit~~ a first task including application functions and a second task to abort the first task, comprising the steps of:

~~storing an attribute of a current executing function indicating that the current executing function is a system library function having been provided the operation system or other functions; and~~

~~at executing an abortion of the task to which the current executing function belongs, determining not to abort the current executing function when the attribute of the current executing function is the system library function, or determining to execute the abortion of the current executing function when the current executing function is the other function~~

setting that the first task now exists in an abort disabled section when a function currently executed in the first task issues an abort disable instruction;

storing attribute information indicating that a function currently executed in the first task, whenever the function is changed, is the system library function or the application function predetermined by the operating system;

determining whether or not the first task exists in the abortion disabled section when the first task received an abort instruction to the first task issued from the second task;

determining the attribute information of the function currently executed in the first task, when it is determined that the state of the first task exists in the abort disabled section; and

aborting the first task when the attribute information of the first task is the application function, and continuing the first task when the attribute information of the first task is the system function.

Claims 6 - 9 (Cancelled).

10. (Currently Amended) A computer readable recording medium having recorded thereon a program for causing a computer which executes ~~in parallel a plurality of tasks, each task constituted of functions and managed as one execution unit~~ a first task including application functions and a second task to abort the first task, using a program execution function, to perform the steps of:

~~storing an attribute of a current executing function indicating that the current executing function is a system library function having been provided by the operating system or other functions; and~~

~~at executing an abortion of the task to which the current executing function belongs, determining not to abort the current executing function when the attribute of the current executing function is the system library function having been provided by the operating system, or determining to execute the abortion of the current executing function when the current executing function is the other function~~

setting that the first task now exists in an abort disabled section when a function currently executed in the first task issues an abort disable instruction;

storing attribute information indicating that a function currently executed in the first task, whenever the function is changed, is the system library function or the application function predetermined by the operating system;

determining whether or not the first task exists in the abortion disabled section when the first task received an abort instruction to the first task issued from the second task;

determining the attribute information of the function currently executed in the first task,
when it is determined that the state of the first task exists in the abort disabled section; and
aborting the first task when the attribute information of the first task is the application
function, and continuing the first task when the attribute information of the first task is the
system function.

Claims 11 - 15 (Cancelled).